Amendments of the Claims:

A detailed listing of all claims in the application is presented below. This listing of claims will replace all prior versions, and listings, of claims in the application. All claims being currently amended are submitted with markings to indicate the changes that have been made relative to immediate prior version of the claims. The changes in any amended claim are being shown by strikethrough (for deleted matter) or underlined (for added matter).

1. (Currently Amended) A sprocket for a silent chain having a plurality of link plates comprising a plurality of teeth around a periphery of the sprocket, each of the plurality of teeth comprising ~~having~~:

a leading surface and a trailing surface, rotationally opposite the leading surface, each surface comprising side portions of a first hardness on inside edges an outside edges of the surfaces and a central portion between the side portions of a second hardness, less than the first hardness, wherein the side portions on the inside edges and the outside edges of the side surfaces

~~a tooth profile with a surface for contacting the plurality of link plates of the silent chain, the tooth profile comprising:~~

~~a first side portion having a first hardness on one side of a central portion having a second hardness, and a second side portion, having a first hardness on a side of the central portion, opposite the first side portion, wherein the first hardness is greater than the second hardness and wherein the first side portion and the second side portion comprise the surface for~~ contact~~ing~~ the plurality of link plates of the silent chain.

2. (Currently Amended) The sprocket of claim 1, wherein the silent chain is comprised of interlaced inner links and outer links and wherein each of the side portions has a width approximately equal to a thickness of an outer~~most~~ link plate of the silent chain.

3. (Original) The sprocket of claim 1, wherein the sprocket and the plurality of teeth are formed by rolling.

4. (Currently Amended) The sprocket of claim 1, wherein the sprocket and the plurality of teeth are formed of a sintered alloy and the ~~first~~ side portions ~~and the second side portions of the plurality of teeth~~ have a density greater than the central portions of the plurality of teeth.

5. (Original) The sprocket of claim 1, wherein the side portions and the central portion of the plurality of teeth are formed of discrete members integrated together.

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled).